

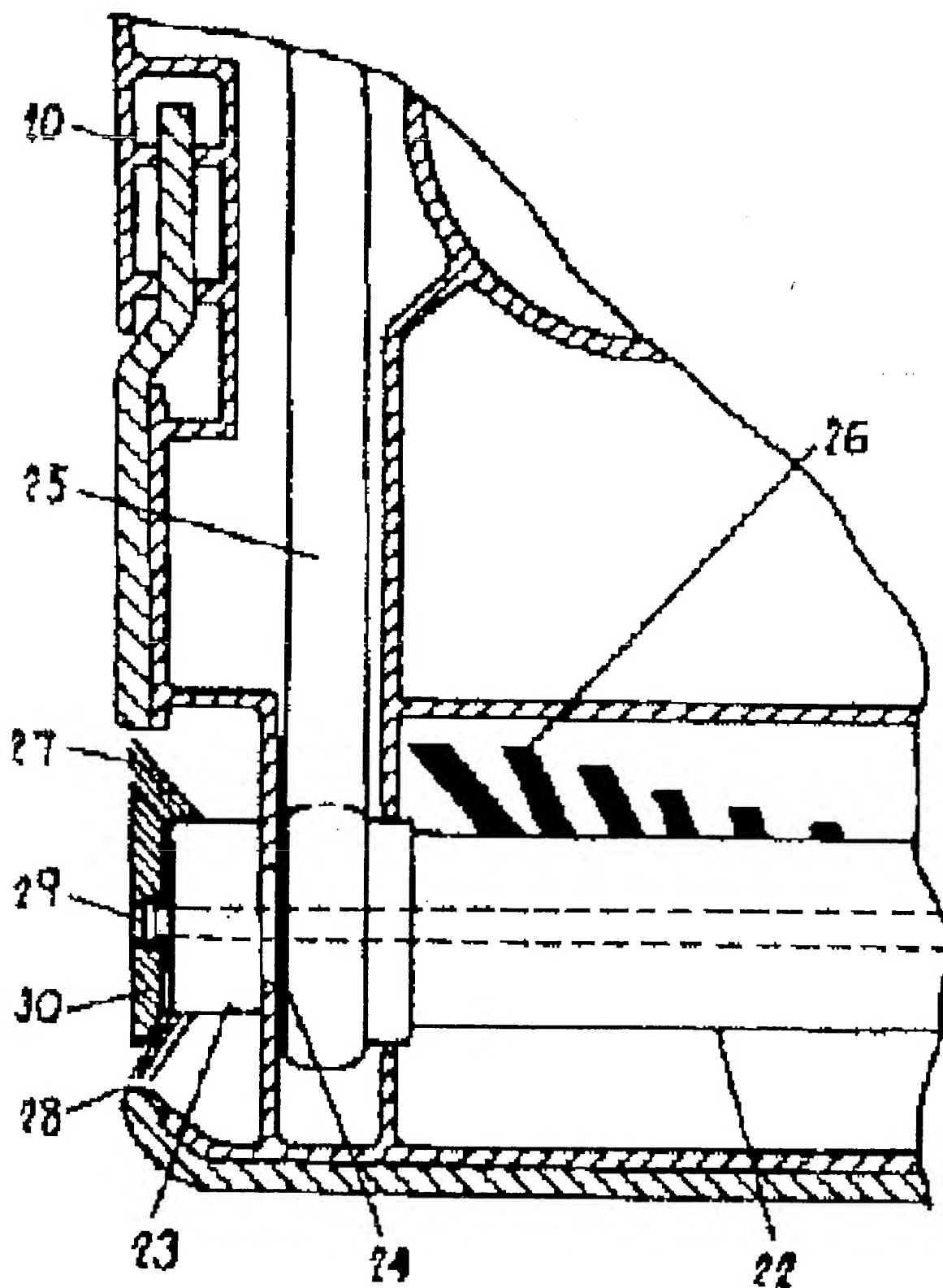
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PN - JP4322625 A 19921112
 TI - FLOOR NOZZLE OF ELECTRIC CLEANER
 FI - A47L5/30&A ; A47L5/30&Z
 PA - MATSUSHITA ELECTRIC IND CO LTD
 IN - HAYAKAWA HIROSHI
 AP - JP19910090505 19910422
 PR - JP19910090505 19910422
 DT - I

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 TI - FLOOR NOZZLE OF ELECTRIC CLEANER
 AB - PURPOSE: To supply a floor nozzle of an electric cleaner without damaging walls and furniture during cleaning to safely sweep up.
 - CONSTITUTION: An air inlet is formed at the lower front of a floor nozzle 20 and a main rotary brush 22 is exposed at the air inlet and further a rotary brush 23 of the end is provided on the same shaft of both ends of the main rotary brush 22. The rotary brush 23 of the end of the main rotary brush 22 is contained inside the floor nozzle 20 and supported by the bearing 24 and driven by a motor through a belt 25. A brush 26 is implanted on the periphery of the main rotary brush 22 and also an edge brush 27 is implanted on the full width of the floor nozzle 20 at the circumferential direction of the diagonal outside of the rotary brush 23 of the end. And an opening 28 is provided at both side edges of the floor nozzle 20. The opening 28 is arranged coaxially with the rotary brush 23 of the end and exposed to contact the outer periphery of the edge brush 27. And a rotary shaft 29 is provided to protrude at the both side ends of the rotary brush 23 of the end and a brush cover 30 is fitted to be freely rotatable around this rotary shaft 29 and opposite to the edge brush 27.
 I - A47L5/30
 PA - MATSUSHITA ELECTRIC IND CO LTD
 IN - HAYAKAWA HIROSHI
 ABD - 19930329
 ABV - 017158
 GR - C1041
 AP - JP19910090505 19910422

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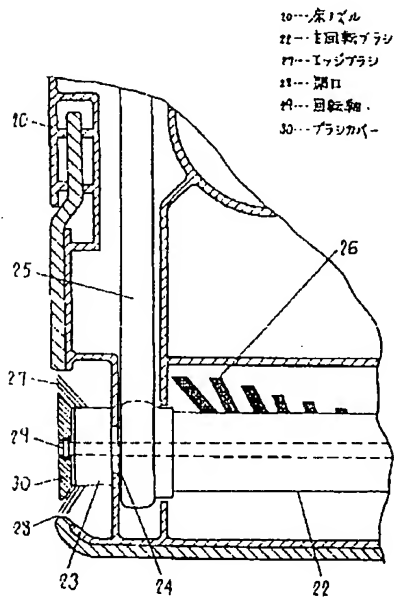
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ラシの斜め外側の円周方向に植毛されたエッジブラシと、このエッジブラシの外周と接触し、前記床ノズルの両端側部に設けた開口とを備え、前記端部回転ブラシの側部両端部に突出した回転軸を設け、前記回転軸に回動自在で前記エッジブラシに対向してブラシカバーを装着したものであり、この構成とすることにより、掃除中に壁や家具を傷つけることなく、また安全に掃除をすることができる。

【図面の簡単な説明】

【図1】本発明の一実施例における電気掃除機の床ノズル10の要部断面図

【図1】



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【図2】同電気掃除機の縦断面図

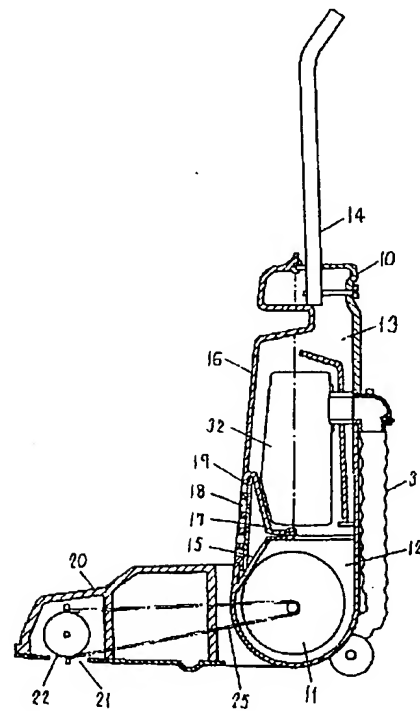
【図3】同電気掃除機の外観斜視図

【図4】従来の電気掃除機の床ノズルの裏面断面図

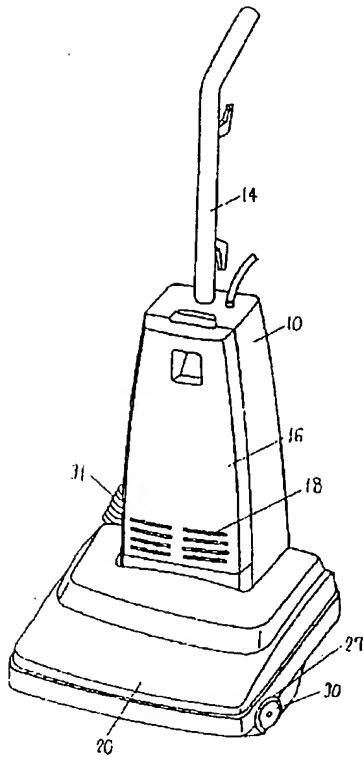
【符号の説明】

- 20 床ノズル
- 22 主回転ブラシ
- 27 エッジブラシ
- 28 開口
- 29 回転軸
- 30 ブラシカバー

【図2】



【図3】



【図4】

